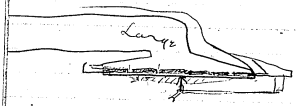
Notebook, PN-10-00-00.2

This undated pocket notebook was used by Edison, probably during 1910 and 1911 and possibly as late as 1912. Several entries may have been made in August 1911, while Edison traveled in Europe with members of his family. The book contains notes and drawings regarding experimental work and other tasks to be performed at the laboratory. Many of the experiments relate to improvements in storage batteries, phonographs, and phonograph records. Other entries pertain to Edison's kinetophone, concrete cabinets for phonographs, educational films, and stereoscopic effects and color photography for motion pictures. Among the employees mentioned in connection with individual experiments are Ralph Arbogast, Jonas W. Aylsworth, Pursell Eggleston, Ignacy Goldstein, Walter E. Holland, Miller Reese Hutchison, and Alexander N. Pierman. The battery-related entries include notes on the composition and performance of cells and a list of sixty-nine items, entitled "uses for battery," describing applications in electric vehicles, tricycles, and submarines; in automobile and home lighting; in sailing vessels, with windmill power; and in other devices such as miners' lamps, burglar alarms, and dentist drills. Also included are entries pertaining to the manufacture of nickel hydroxide and to clutch devices for trucks. In addition, there are plans for making phonograph records out of condensite, shellac, hard rubber, and celluloid; proposals for recording popular songs and the sounds of naval gunnery; and ideas about marketing phonograph records. Among the individuals mentioned in relation to Edison's business affairs are Henry H. Harjes in Paris; Etienne de Fodor in Budapest; and his European representatives, Paul H. Cromelin, Maurice E. Fox, Thomas Graf, and John F. Monnot. There are also entries pertaining to personal and family matters, including references to the estate of John Kruesi and a draft telegram, probably to Edison's daughter, Marion Edison Oeser, regarding a rendezvous with his son-in-law, Oscar Oeser, in Switzerland. The front flyleaf bears a list of famous Frenchmen and a list of French cities. The pages are unnumbered. Approximately 140 pages have been used.

Paris - Costina Dolmitz
Dijon
Geneva Poblach -
Evian
Interlaken Klagenfurth
Lucerne
Ragaz
Feldkirch
Landeck
Meran
Bozen

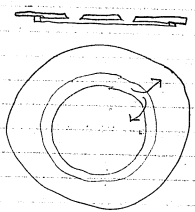
Nantes - St Cars Enclosed
~~an Engine Eller sleeper or air - quite considerable.~~
~~8@10% - pleasure -~~

Mrs Kreuzi Lausanne is short of money & needs to have the settlement of the Estate Carried out as soon as possible. When get back write urgent to hurry up —

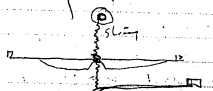


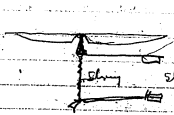
Think that air space should only be .003. — the regular wave would go too much sideway to the wave but by using a plate with holes so wave only goes into the .003 space about 1/8 inch this resonance would be small (so) the fall of pressure little & great compression would be given dia — also the amplitude would be less for large waves running to high compression but not for weak waves. Possibly to have on both sides

or



For recording paper paper dia with cork





Stereoscopic effect

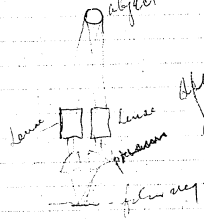
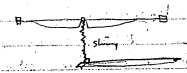
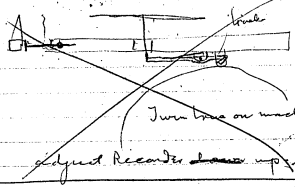


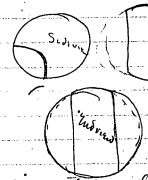
photo to show overlapping and both sides will long

Precip $Ni(OH)_2$ + dry H_2O out by heating in fumes acid etc.

Make flake 1/4 Co 3/4 Ni —







Cam track deep + slide and bull offset

Looks as if proper duplicate to work on Pathes is 10/1000 wide 8/1000 Cutter double speed + a special way to cut very deep + highly sensitive Records without or little fog. Lateral off

despair — made our chemistry retirement Repeat very soft long string + light lamp.

Try wafers dip wood with
Carb Stronties etc for deep
Cut – possibly acid Stearate
Stronties & deep by CO_2

also make layer like Mica
Wax – one kind of wax on ~
Soloent dip this then dry
then another wax on another
Soloent that the 1st wax
wont dis-slow ~
These layers should be only
1/10 of 1/1000, hence no
Chipping possible
Even with very deep
Tracking

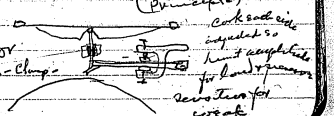
Ring up a strength cylinder
& test cylinder self-Rinse
Simply for necessary depth
of tracking with an 8/100
Rings

Should I get Piano lay very sensitive
Recorder & deep tracking advantage
should not be taken of it to
get Corrupted Loudness but
lower made minus leverage
so it will be no louder
than Piano on disk now –

~~Try Stearate Soda powder~~
~~Stearate & Carb Soda or K~~
~~Thus~~

Use Stearate Strontia &
Carb K or Na – thus
make Carb Sr & Stearate
K or Na & have some
free Stearic in –

(principle)



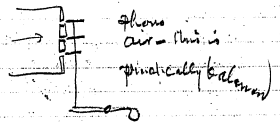
2 arcs series →
5 Batt. to replace Rec –
present dirty pans
Send Cabinet disk to Fodor

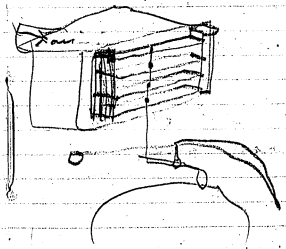
Present Valentine Chem Lounder
& Gyphono

Get all Windmill Catalogues
Books on Wind Mills etc
Ball bearings – Dynamos &
Storage for Charging Wind
farms etc gang mills
get Larger batteries, ~~[illegible]~~

Mond and Fodor Bank
book loans

Dyer about selecting some
abandoned Elec app like
fans (Mfg, put dist higher &
give bigger discounts –
to dumbell our Grand Ep





Look in other parts of book for little wagon Change process

Concrete Furniture Co —

Try 4X6 Dopes in Concrete

get from Bumpus rate of Maintenance Index & price charged —

Dyes — Burgess Mfg co selling Dyes for less

See if possible make flake by reversing for a second or racking out of Dal in O or HS — get rid of Copper

EA
Send Valentine Boz Nuss
Aswan Egypt
11 Rue Scribe

Go on a campaign of work up the Sulfate St Vital gave 300 cc N & the others, probably form persulfates for them it is probably a non conductor hence, lots of current will be necessary of flake — If it dont work old process graffite might go —

~~Try graft~~ Try graffite Nuxen 1/8 tube

Try graffite Nuxen 1/8 tube

Take up forming group
garages for Car Lighting
Rent, get good man to
form it + run it

Soak drug Quinent
articles in 6-4 or
bake see how stands
Cannot for pasteurization —

Start Campaign on
making No 1 Dry Rolls
thus drying - under pressure
etc, slow + fast + low
Start — Keep family
at 72 by Electric

Perhaps reason Bi doesn't
work well in large cells
is due to some katalytic
impurity in KOH, Run it
down — ~~in large~~
Purify Cell that co air
of A + H works OK

in large cell not
strong — try Chloride
Flo

Subscribe all school publications — Have Byron Kuntz exhibit all meetings with good Demo Educational pictures —

Hire more travellers etc on basis of make good in 2 months or go —

Look up Conch + Kelvinator availability of 2 motor worm gear change speed at no difficulties for Byron wagon

Try Experiments on Nickel plated strip, ~~to take~~ + do Strengthen KOH with Fe Pkts to Coat Strip with Fe + then find a solvent also also Strips + Tubes to brighten — Quite sure deterioration is due to Fe — H at KOH dissolves more if it leaves green bad quicker half also 33% does more + that is bad —

Its an Iron propeller —

In designing new series Single Cylinder plumes see if worm gear good — only use 200 thread — make large enough for 3" + 6" long for ~~the~~ fitting — good good + new desk spikes

Study new vibratory transformer
see if it can go to high
amperage — safety fuses —
2 or 3 vibrator devices
Try def Carbons make
Quadrupel panels for test

Try in cell for making
Fe by current a heavy
hydrocarbon Che at
bottom for Fe to fall
into to protect
against oxidation
High temperature to
Roll to roll heat
Revolving polished
Ni drum with
Dropper —
Mix of Zn & Fe Sulfate
weak —

Redver Fe w very weak
sol by Zn —
also in Electric Rolled
use big magnet
to draw Fe down into
the Hydrochloro —

Possibly polished Electrode
be surrounded with a
bag then which the
weak sol slowly
percolates, will be best
Also with the Zinc

Reduce Mercury Fe Sol
on plates semi dry
Mercury

Fe Sol ably should have another salt to combine & give tols hydrogen possibly a cyanide would work —

With Bismuth. It looks as if what was wanted is to make Bi OH more soluble in KOH. — Lott,

Perhaps the sulfate like Strontium etc ~~which gives Fe(OH)3 ppt~~ will work fine with 15 or 20% Cobalt. Also Bismuth to give conductivity

Try Iron with 10, 20 & 30% Cobalt — both will reduce to metal ~~but~~ & even the chg & discharge curves = Co reduced 1st & acts as ~~conductor~~ or Fe & is oxidized last + acts as conductor

Beg sure try 4 & 6 for filaments

Try nickel Fe & mix of Cadmium + Cobalt 1/2 & 1/2 & vary

Use weak KOH 2nd. Use 25% KOH

Magnesium tube Magnesium flake Lined with Zinc Reduced by H, or Zn powder or use pockets, Try with Minimum KOH, so very little Zn can dissolve — for a boost battery — Even the pockets would be large enough to hold off.

Particle size reason part of Condensate of pitch ok in 100 & others no is because not thoroughly Condensed probably should be baked many hours — to stop shrinkage stressed issue 75% of Condensate powder already Condensed highly Trials work with Hard Rubber — fetta truck 2 lo

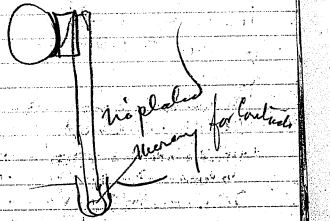
See if RA has reduced the crow mostly on Rolls — & How it worked

Try tubes with Borate Lime Strontia + Barytia with flake to see if gives Reversed like Sulphate + details Na & K Sulphate which are used also Carbonate Br Bart Ca —

Phono — Glass para cylinder Coat with Condensate Varnish bake & then press

Experiment with Rosin + Paper pulp for Center of disc to cheapen — also Asphalt, also Kauri — Manila copal Lac — etc,

Vitrolac Redfi



Use NaOH with Zn powder in tubes Dept and it dissolves Zn less — also try LiOH & NaOH

Truck wheel tires street paving wood block

In plating sponge 7a
Try graphite electrodes
no stirring —

Marble pressed chalk.
+ Condensate liquid, just damp
dried + pressed [illegible] quicklime
+ condensed + sweet bounds
Ammonia tile, various
Colors vanquished
Rosin mixed do & Tos

Broken Rosin
No contact

Try sulfide iron used to make H_2S, see if House will give H_2S & hydrate methane 7a

Bees Inspection sell good
Reorganize Sales dept Bat Co
& pushmore,

see if increasing the NaOH in dech dump — 1/8 tubes cell work, to increase capacity of loading — possibly 50% more can go — thus also adding flake

Try in 1/4 & 1/8 tubes
Continuous feed of NaOH flake + very rapid tamp

Try for 7a non nickel plated steel — also (good) Cobalt plated steel for 7a plating

Try the Copper wheel for Electrowelding Can seams.

Look up the idea of putting 2 lectures in 1 Can as exposed by Smith that Kennedy discovered -

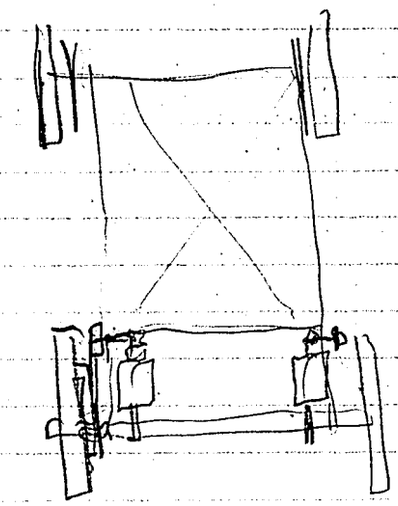
Somebody see the Gasoline Engine Fire Engine & see if they will build an Electric -

Act delivery lecture to School lecture & School Curriculum showing Bryan Kinetograph

Kinetophone - producing a Lecture on scientific subjects illustrated by Experiments + also

other lectures for the Lecture Bureaus

See if Orr's for dress I designed worked OK -



2 Motors 14 miles in Multiple - 6 miles

2 Motors in series

Worm gear drive

No differential -

1/2 the power - slipped to a change gear by mistake -

Regenerate timber, Reverse the Current in very weak KOH, Soak out & then use Peroxide or Chromic water or Reverse & chlor put in 2nd Soak out put in weak K.C.P. & make it anode to turn the Fe into Chloride Iron & Soak out.

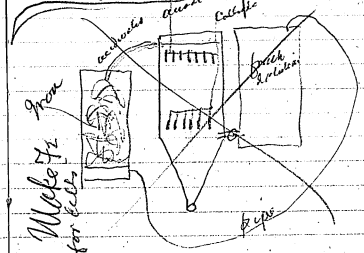
3rd Soak out get rid water by using alcohol then varnish in Oil containing Benzine chloride & Chloride Zinc Fe red wood & soak out,

Possibly a very high density necessary to get it out in flake & not too much on tooth =

Get some official Ne Sulfid Compound Sol in KOH made by Jwa =

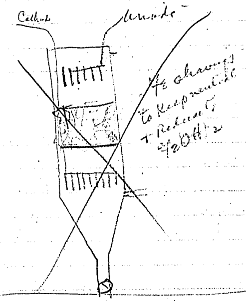
go up to Port Oram in auto see Kelly if he can make healthy slag for Concrete Fabricate found on California of there —

On a change gear of Byron Crucks a positive Clutch Can be used if the pin is connected & thrust in spring off long Headedly to stop shock & heavy stress



For compressing light loading [illegible] NiOH. Try drop press of 2" x 1/4 after pressing & heavy hammer 2 blows - last gives enormous pressure

Fe —



Try 33% $Ni(OH)_2$ + 66% $SrSO_4$

Carbonize filaments in Redhot $LiCl_2$

In change gear for Buyer [illegible] use positive clutch & fix it so change can't be made to low or high without stopping motor (ie) vehicle —

If spiral or worm gearing used it can run all the time in change gear as there would be no noise —

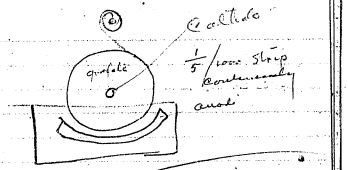
Have we a big Cell A4 on Endurance test with 27% KOH if not put 2 on test

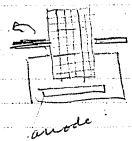
Perhaps a little 10% of Sulfate Strychnine precipitated with the MnO4 will do good also with 1 B 5 + 10% Cobalt,

Make 1/2 doz 1/16 tubes no flake put in one grid + test also
Some tubes with 10 + 25% Cobalt in MnO4

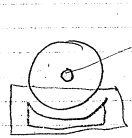
Possibly the nickel powders by Electrolysis from a weak $MnSO_4$ could be used instead flake,

~~When Hydrolysis gets time try make flakes with,~~





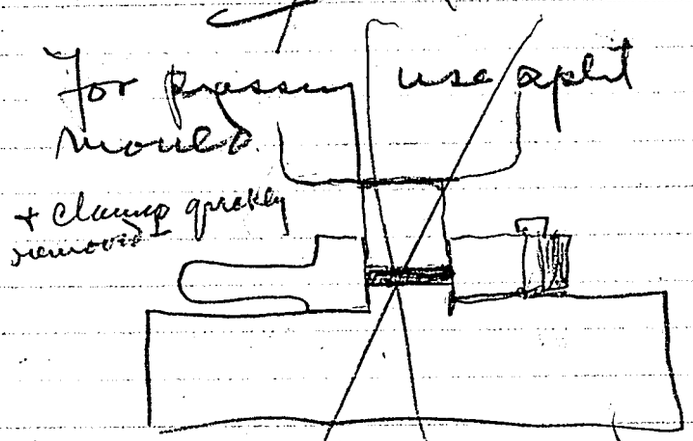
Then as metal wheel with insulated surface squeezes - the surface of the metal so with the metal it cracks which that it cracks & leaves it so by wiped off as flakes —



Try smooth wheel problem it comes to and do something to surface so next turn will not stick cut flakes capable to separate

I think no matter how low loading wt that drop press will give me the desired hence calls a quick drying will work cell.

For pressing use split mould



100 000 lbs sqr inch — thus fines all be required

Great by screw press in Potts room on the 6th floor R wt to find pressure

For Bi cell add 15 times the amount of every impurity in KOH + NaOH or that comes out of Fe to A4 Bi cells if this dont work measure solubility of Bi OH 15 times in KOH as there is only 1/15th the amount of 21% particles as in little test cell

Small cell charge Reg discharge in Vacuo + Vice versa & better chg + dis in Vac to see what part gas plays

~~Try putting $SrSO_4$ $BaSO_4$ into argon by soaking in $SrCl_2$ & precip by Na_2SO_4 look up all records where I used this or to see how I used it~~

Try on tubes Bromate $SrBr_2$ Arsenate, Borate Phosphate Tellurate Selenate Antimonate Molybdate Tantalate Vanadate Carbonate Chromate, Uranate Wolfrabate Tungstate -- Vanadate

In little Cell try Carbon disulphide to saturation in the H_2S also in bulb

Make CS_2 Compound of the Metals are made in KOH, & put in tubes alone CS_2 is analogous of CO_2

see if can clean outside of old tubes (@ Fe_2O_3 scale by scouring & high density burnt in KOH. also try strong LiOH Bal as reducing power of alkali - high force & off electromotive as in Cleaning tube strip in plating.

Also Soak tubes + dry put H_2S salt in + then reverse in LiOH also KOH, to amalgamate the flake + loosen scale then wash + without weak acid to remove if.

for pressing small cell.
think Screw press like those
for boxes at Bergman ok
or a Reg press with spring
set to right pressure, see
Rodgers —

Still Kunsky ~~if he can give~~
Bergman any information
has dearers also 3 and 4 dial
has results —

It may be unplated Zn
pocket be better than
plated as no deposit
potential as with nickel

~~Mallory get U.S.P.A.~~
~~945917 - Cleaning~~
~~dust Cannot Relay~~
~~quickly~~

as persulphate of K is
the most insoluble
Salt make tube with
Sulphate K, only a
with H_2O — and as
such is used in
KOH it will calcine
by ox to persulphate
~~& possibly use~~
~~in battery~~

test in tubes the
Molybdates of the oxide
very little sol in KOH
also Tungstate, Vanadates
to see if get results
as with Fe_2SO_4

~~Mendocroft get Catalogue~~
~~of all makes of wind~~
~~mills & tools & articles with~~

Tusol K salts —

Tube filled only with flake
1 Dipotassium Sodium Cobaltinitrite
2nd KClo.
3rd Silicofluoride
4 phosphomolybdic
5 Palmer bismuth Thiocyanate

Make some finely divided Cerium by roll, Quesplitte Co or NaOH also iron Oxalate or Oxalate & reduced by H. also in bottom —

Mix a solvent of Menthane into Shellac so it will stick —

Rig up blower for Calomel on — Dally —

Dully or also ask Owa for Rosin dope Ele to take place Monday —

Add my Rosin to Menthan to make Lac stick —

Mendoncott gets all the world articles —

Go up see that wind with no orange

Electrically weld edge of disc to plate brass by the wheel

Help Feldstein in apparatus for making Fe electrolytely

See Dyer about weights of mercury now on collector

Start some Zee chart Expts with small cells down at freezing with different things in Solution 2 grams of each iodid per cell — To change critical point of diseding —

Look up in books the things that actually did good results like Br Say

Work these up by mixing Cobalt etc —

See about programs A10 A12 + B2 B4 Gutter —

See about dope on Cells Grant Rubber

See phone reports —

ask Banning about Rall regulator —

Take up cost reduction if can be accomplished new design — standard model 10 30 50 100 amp — + alt Mfg quickly —

Also what patents Green takes — also find infringement of other patents —

About high class map for pressing Rept to save over moulds

See Anderson — Cheap Desc = 1/8 location —

See of Muldstam Rects made when I was away have all been put up —

See Batteries are used to operate Linotype machines — [illegible]

Harry Reduce
50 Edison to 40 month

Spring in 4 stations the Nicolson Lock

See Bryce about Philpot taking up pressing Rept & Salary

Tell Owen about Tumpen opened to take place of ~~Wishard~~ Wernot

Plate was powder from a mixture of Iron & Zinc Sulphates. The Zinc in excess. This will in the tank when made Cathode in KOH dissolves the Zn & the well fall as powder

2 A4 ~~C~~ Use only
Mitter 2 cc —

Try for replace Neoviam

Common stearic acid
7c paraffine —
Stearic acid + soda-acid stearic
with flock & various
proportions Resin Neoprene
Stearine etc, use
Shellac dissolved in solvents
for the uncovers

Pattern Counter with an Electric
Iron of a Reelfy, flex
Conducto I

Lanthanum hydrox only in tube
more dumps
Ba Sulfato. more dumps
~~Try fluorium~~ c
~~Hexa~~ Neodymium
These 3 gives fair results in tube
Vary them also mix with
Graphite & try in pockets —
Ba SO4 1 V 43 1/2 V 47 Hal 33
50th Run —
Because try K per sulfate —

Results when tubes have following only no m

	IV	1/2	total
Neodimium	60	63	327
Lanthanum hydrox	53	60	327
Cerium Fluoride	0	0	631
Calcium Chromate	0	0	77 / 67
Cadmium "	0	0	40 / 37
Cerium molybdate	0	0	7 / 7
Cerium hydrox	0	0	10 / 10
Mercuric Chromate	80 / 67	113 / 100	20 / 127
Strontium Tungstate	30 / 30	37 / 37	23 / 23
Strontium Fluoride	30 / 30	37 / 37	23 / 23
Barium Sulphate	43	47	33
Strontium Molybdate	27 / 23	33 / 30	417 / 417
Mercuric "	60 / 37	70 / 43	417 / 420

See what Report 6120 – 663 to 970

Lac cylinder

Try 8 coats lac & well
Cooked on ends –

Try regular coats but 1st
Coat thinned down by alcohol

Try dropping lac alkali +
Coat

Put one thing coat of film dope
then lac coatings – if lac
doesn't stick to film, put
some cresylic acid or acetone
in lac sol –

Maxwell – do you need
Sunday letter – see
Oct 15 – Morning rec
of Sheets –

Try little Bi in Tin for
Dric Soldering

See if Tolva sol Lig/sol, also
get a good Salpeter Tolva tree
perhaps Acetone also
Coat rooms —

Try 1/2 doz 7 coats.
1 hour between well
Cooled on Edges —

Blue about me any
patterns on Laboratory Transformers

See if small cell pressure
tests made

See tests A & Tubes Endurance

Put up new Electro from
pockets

See Barrett get separate order
+ have him get weeks work of forms

See Monet — See Stevens in regard

See Beach if anything done at Allenhurst

See Coffin — show him what Beach doing

Have daily Smoke room unchanged
put on desk

Dyer Tuesday battery for England
+ French Monet trip — also
about Philpot —

See progress Daily of
Buzzer —

Ask Blue about Goldbach

Make some Cobalt by Chalva
Method like 72

See if Hold forms a Tuesday

Lower cell - press test
sample lost & also grass
Used only half load
weight 6.8 lb.

Have glass broken

Precipitate Various % of
Barium Sulfate with
Cobalt also Ni also
Mn Co also platinum
also Fe_2O_3. ditto with
Strontium Sulfate -
ditto Molybdate Sn -
" " Hg -
all the above with Bi as analyzed
Molybdenum reduced by H,
& used without Fe in
pocket -
Borates,

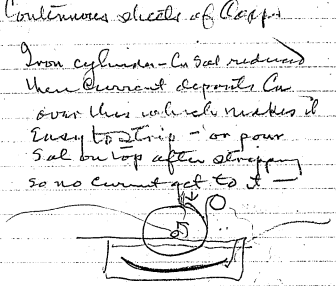
Try as Fe in pockets with
without 25% of Cu also Bi
the following antiprinter finely
divided -
Cerium - Mo Ur Cr Vanadium
WO Sb -
to see if reducing to prot.
in clay they will not go to
higher Ox do easily also Fe
goes from metal to FeO

Byron Wilson Elo How money
it do on clock - palsey
all disks after 6 months if
unused can be returned in payment
new records at reduction
of 10% = or say 5 cents
off from original price
plus this cents as penalty
for over ordering & not
insures 90% of Dealer -
Capital invested in
records -

Put Billy Bee salary right
see what he gets now —

Continuous electr of Copper

Iron cylinder - Cu Sol reduced
then current deposits Cu
over this which makes it
easy to strip - or pour
Sol on top after stripping
so no current get to it —



Write Nestor all
about Norfolk scheme

get Guy Miller Rainey
Costs of Lumsden now

See man who wants
buy Lumsden & clean
him to Norfolk idea —

get a Couple promoters
for Norfolk & Ken —

Gp

See Miller is started on
Nursing Rolls & things go
fast, see about Wells
grinding Mi504 & Sola
ask Clod Wilson how
fine it must be ground
also find what pans
are passing around
Rolls —
also pressing in pans

Bob about hydraulic
press for Mi pressing
get right heading out

Press Mountain hot in smooth moulds before lacquering

Use spray lacquer 3 hours hot bakowski epoxy lacquer 5 layers, then bake 48 hours & press

Write out ideas about Trusts, Captains of industry etc unfair trading —

Take some Reg Cement & heat yellow heat & reduce in H, & cool down in H, see how color is —

Try several Iodates or Bromates as periodate are peculiar compounds & hold O very strongly

Iodate Ba Sr Co Li K Na Zn Co Ni Al Mg Mn Cu rather idea is that endothermic O with cause formation of periodate, or higher — Di Ta Bromates —

Dyer Phlopot

Width = blowing and bad, makes bubbles Wesles Mechanical gelatine bottler see about it — also blown platinum & filtered liquid continuously filters or cloth to keep

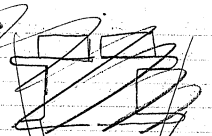
Anode mud and lupus

003

With also look at
Rough polishing
& Lead pressing
also Carburizing
& whole process
get Report of Meadows
made very recent
& he will clearly
report on my claim
Every Dec —

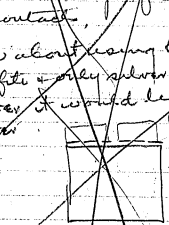
Bliss about trying
Mercury to make
contact with the
buzzer lever —
then can raise lever right
out — How about silver
facing clap & rubbing
How about pure graphite

also



its 4 to 6 times better than
hard Carbon graphite mix —
on contact.

How about using block
graphite & only silver piece on
lever it would lighten the
lever



See Smith

1 lbs N.O4 1/2 [illegible]
3 lbs Crystals of N.504 - 7H2O
13.7.03 NaOH [illegible]

see if Cerm. ox sent to Ra for reduction, tell him high temp must be used -

Wurth, plate a blank so we can put it on a backing that has been been pressed about Cracks + high solder + make plates to see if Cracks come on after mounting - Quick plated + then plated -

Moore, stiffen leather + slap a balance of coal + gem challes - Well challes - 2 gr of Lathe -

Dyer find out if [illegible] power at Wheaton or if we can get power from any alum. Cost of pulling in wires if not can we get a gas for a gas Engine 15 or 20 HP with accessories, see if OC or AC -

Dyer Could we get Harry Lauder for one song on the Kinetophone for press activity - it might appeal to him & help us both,

See if there is any porous substance semi-impermeable membrane or anything porous which lets gas thru but liquid - possibly a non water soluble porous sub like our brights wellsing but not Gly ROH but slightly let gas thru for Storing Butchering start some tests

Make a valve for A4 cell which pops after pressure is high but not high enough to bulge Can let gas off. Explosively, + see if Clean RCEb Comes out —

See Bachman Dolley rent trucks
Furnish up an old car rent,
#4, Day = How about the rent we did event
Wilkinson Lyddi —

Adopt 60/1000 Epoxy of 8
plates for standard 1/8 Tube
Cell or make also an C4

A4 closed bent pop
Valve rubber seat pop
at pressure not
Endangering Can

Workon hand —

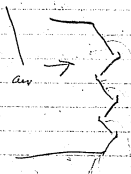
	Set 18 % done
Wagon	60
Byron Kinetos	90
Homeshavers	100
Desk phone	100
Disco	80
Little Cells	25
Art disc phone	50
Concrete Cabinet	90
Mfg F20	10
Mfg McCbs	80
Kinetophone	90
Kinetophone Record	
Weedmill	5
New 1/8 tube Cell	80
Big Submarine Cell	25
Bigelow Rockfiles	25
Colored Picture	2

Cold Burn Gilbrade
How not pour hence,
dangerous pressure
Discs!

First wrinkle of powder
blank & pressed must
be pulled off between
each powder blank
in warm room but
warmed discs in smaller
keep dust & heat from
falling on warmed —

Put up sheets of white
paper on dress table
for falling dust in warm
Room also where powder
records pressed —

See Water When
backing dry has to
clean —



Hot burnishing for powder plates
Chalk lines pressure then
Polishing off + backing —
2 or 3 coats lacquer very viscous
in powder first dust a chalk room up
or room along then very powder
then over that final lacquer
press.
Must make Model warmed plates
in room preceding

Try Expt of pressing a record blank
between polished plates before
use on record press [illegible]

Water to make 1/2 doz. Violence or wreck offensive to make measures from to improve technique —

Thinkt it possible of by a complete set of clint's our work around grooves from center to quite smooth contour & edge & can get out
should be smoked 1/3 of end as then by a regardless out to edge to allow air get into bellows can get
practically all air out

ask prof why blank stuff cant be made cheap crude
Crude Carbolic — also crude
Crude Asphalt or other
high mt. Crude cheap stuff —

Mix graphite with the powder (ie) graph on the organic so they would complete fuse & not make so porous blank or a low M.P. Resin —

Blanks for Wurth could be made with less paper fabric or only chalk probably

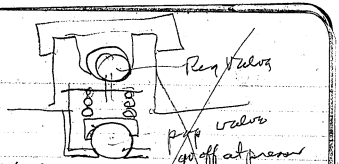
From cracking & breaking off surface it looks as if we didnt let blank heat long enough before pressing warm the slightest.
by Epts with lime —

Meadowcraft get primer & 2 & 4 + 5 Readers and all other Common School books also physic. Chemistry text books etc
Lowest to highest grade schools

Marshall Educat, Bysow
$2500,

Dyer doesn't effect hump
Comes decision left person
to dealer, they will
effect this

Bias-ply tires longer
more durable springs
on steel tired axles
wood on axle to slap
violent vibration in
Center —
What about wheel with
Hub mostly outside to
get steering knuckle near
Center to stop easy
knocking about 6 or 8 plys
Rubber Conveying belt
necessary at connection
to carriage in all shows
a good flexibility —



not big enough
Kettle gas drops out + leaks
Continually hence no bubbles
= down useless no engineering
the top valve prevents dropping
To make the work much
more good quicker + perfect
fuller slap think it OK

Be sure RA makes Iron
a self heater to reducing
Chamber by def. Iron a
small shot with small
rise temp on pot,

Add 1 oz of sulphide lead rod in 21 KOH + Bi —

powder up tellurium very fine & make a pocket of it & use on piece of Fe — also try in tube melted Nickel —

Try in tubes tellurate of Sr Ba & Calcium —

Mix little tellurium powder with Fe mix — also mix some telluric acid powder with Iron mix

Mix tellurate KOH with Nickel NiOH in tube form a very usual K salt near usual in KOH — might serve to keep KOH in NiOH₂

powder up very fine & try all the Tungsten bronzes that conduct in tubes of Gold

Try Iodide Thallium in tube usual KOH

Try Uranous hydrate in tube also dilute acetic & oxalic in black — also 1st Rund block 25% COOH, also with 25% Bismuth

also Uranous hydrate with Co Bi,

Vanadium ~~Comp~~ Oxide or acid Reduced at yellow white heat by H, & then self oxidized & use no Fe

Metal ammonia ~~of K~~ almost usual
we NOH, try in tube also with
CO & 21

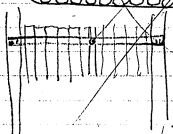
Low with
~~Boiling Sulphide K Ethylsulph~~
~~Sulphide Zn in Toluol not~~
~~hydrated = Cu sulfide in tube~~
~~Zn Sulphide is not solvent~~
~~acetic —~~

Boiling Telluride of Fe in
Toluol — also try
Telluride Zn —

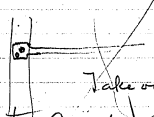
P.A. — Mix 5% of sulphates of
following with the Fe ferr
H get a Fe mix, Catalyzers
Cupric reduction of mixt
at a lower temp mixer
probably Easier we boiling
Co. Cd, Ni —

Make some flake with
Cobalt in it 10%

Zinch



instead of weaving coq strip
in put it on outside — 1 wt



Take one tube out
its too Crowded

Why not screen our wood pulp or blow it to get fines to Cosmo now — the very fine flour [illegible] for Minter How would lint (cotton) do for making bleaching

See the place they cost
Model dress for cleaning

See Warbox about burning gas out or anthracite in Ords pots — also Anthracite in Powerhouse — chemicos etc. dear Comaly

See Phelps at Dyno
Have you Come over
help on gelly balls
Case dieby talks
over notes above

Mendocino not
find Hartung at
Scientific American for
Moving machine for
schools Barnum

Mount Dress & Chief Engineer
the Loader pressed for
powder & Chge moulds

Talk of Miller abt
asbestos pkg on pots

Costs Talent 127.55
Orchestra & Bands average $31
Vocal Solos, Duets, Quartettes, including
Orchestra 174.00

Philpot, describe for Legal dept the process of his - Claim a defect material Gelatin The P/P & Record & other details, -

Legal dept also little Cage & Valve complaint pressure & leak breaking the Gelatin - also clamps Valves so one drink drop in Cage - also new stops across 1/8 tube plates -

Experiment on Engine & Intake Cage when Graph & pressure to keep Electrolyte in

After working new plunger for dice powder & ok, Henkin go down to Slake & get stops & Clamps & clamp to equip them a spring plunger -

Put that w/a Electric Vibrator by Electrical on test -

Gelatin Graft & cerade - & re produce Gelatin - present method only forms black oxide on Cerade -

Work some of Gelatin 860-861-sec of it gas Two pieces -

Goldstein make several
batches of N.O.H by rolls
heavy loading cut
+ dry 1/4 1/2 1 1 1/2
also such cutters + various
shapes: get grain surface
to see if get clean rolls
quicker drying —

Rogers to furnish us
Box of (what tells short)
for rag work —

G. Miller see Roberts packing
on pots at shop works
Why not use as Reducing
pots —

See Philpots report
+ have U. use gas heat
test + breakdown
Cold test — also use
Reamer for Philpot —

See if patented turning
master plated disc + backing
with Diamond — also take
out patent for use brass
also peened brass or hydraulic
+ method of fastening

Pictent powder head
" blank + coating with
spraying —

Put the Adjst in for
men with small Capital —

Rent in Summer fan outfit
with battery —

Dzobofe small rowboat with
Motor + SB —

Model Tray - porcelain legs where no objection to Weights. —

Education = Lidgerdam
Tricks chosen & described
Explained in picture —
Smoke Rings —
Kaleidoscope —
parts of beak - Sulom
Pump etc —

~~Do credit~~

E Frederick Hawley
in the Bandit at Proctors
Oct 25. fine actor for
picture film —

Rig up Outdoor Lighting
Exhibit Temporary ~~[illegible]~~
lowering - use small rooms &
say at office in 5 Betting —
+ show at night —

Take up with Harry
Buchman The Dundee
Trg - + abt Sodam Eq Truck

When well we get A12 —

Remember 1/2 dozen small
Cell. tape

B See about obtaining right
away the broadcast records
put them all in bath.
At Moors get ready —

Tray for holding blank
letter Dacquoing & with
bridges

get some Zinc powder load ~~tube~~
Rocket + test in 5% KOH,
with Ni Tube, — the 5% being
Saturated with Zinc
also a tube with Zinc
powder + flakes with Ni tube

Gold deposit, make some
Meta Vanadate of K — made KOH
dilts with 20% Co hydrox mixed
dilts " 25% Pb " "

Mix some Tellur powder with
Fe mix make rocket

See if Boy put up the
Electric Fr by alcohol

Make figures on setting for the
Agts, for all sizes ~~[illegible]~~ + House
Working plans. Dep. put in
with me, etc. put it up to
Phow boys

See Minot about Chal
Daimler Bunsen Reels
Arle — Fr

Put somebody to work on
Stromberg 40 30 + 20.
with Victor clock work,
might necessary get a Victor 15 Phonograph

Prepare Advt Schools 2 or
3 men wt.

Try Equipt. cleaning surface
with Compressed air
+ also brushes, Velvet, sponges
+ flocked chalk

Design rack held moved
plates + also blanks

See about preparing head
for powder blanks

go overseas Cabinet Bldg

See what patent application I have applied for further patent, mechanical details. Float cement finish screw pieces in the cement for ceiling work — painting — Manipulating

Try Expt Electric attracting of dust, Lath, —

Dyer affidavits, unfair competition, Rehearings, Affidavits

Bordman — How we can diminish output without increasing cost too much of Gallery

Jim Raymond about renting Gallery

Smith Try a few cell see how Valve takes care of foaming —

Perhaps Haine & Co would take up renting of Gallery

Also we might rent a man at work + rent from Storage Battery works — + deliver — 5 year per A4 cell for rent — 25c KWH @ 25 cent delivery by wagon within Certain Zone, —

Dyer — Malabar Count man out of Vic

Deck for unfair competition suits, damages for last 2 years affidavits from owners to whom they sold —

See about Newton men coming up & start painting —

Put some Acetone in the Lac Varnish & dissolve some Nitrocellulose Look up my previous note book & get the solvents for Nitro cellulose & Shellac

found a solvent for Nitrocellulose is a solvent for Some Resin etc to give 1st Coat & then follow with my Lac Coats —

Get Victor #15 Stoneless

Take Care of HQ at Dope factory

See that the ~~Pt~~ received & allowed to OK Thompson Sales to set up 2 with & 2 without Hg

Listen to Reg regards Walker Miller picked out for men no disc.

Thursday 2 pm Call Meadows ~~& make~~ no appointments —

Make plaster Paris moulds with Cotton fibre & shellac them & press after drying

Blue = Black and Blue
print exact phases a
shape of Crack Crack
& if necessary a sketch
of Cracker panel No 2
Trouble —

Take out patent on details
Kettle delivery wagon
which could further
Advertised
Get several patents
Process of setting press

Get 2 or 3 of our Catalogue
Mark Gough etc's hand
head — & also bring
one Catalogue to Hopeson
for Memory —

Take up personally
pressure gauges for flue

Patent furniture devices —

It may be req cells should
have either a great preponderance
of Fe or the other way to make
B1 work or it may be that
dissolved O or O make an little
when nearly chg that cause
free H to combine & make
Contrary EMF as against
cause that cell.

Goldsin plates Zn & Fe
together take out cornish
& let it ~~[illegible]~~ act on
HOH,

Have Crate Cells 6
brought to Lab
Chgd + Dis to see can
allow use doors

~~See Blas + arrange with the artist to break in new. Operator not familiar and he can't work the machine. Arrange for furnish draftsman for mechanical assembly details —~~

~~Arrange Gumbel furnish a Bureau rep from time to time to Copy out with condensation. Make public exhibits of Concrete formulas at Gumbel's —~~

Using Cutting in Trays

Jeffery	13400
Vaughn + Co	180
Arthur Scott Co	420
Macy	1080
Frank Forsert Co	594
A Graham & Sons	600
US Ex	1381
Gumbel	720
Adams Ex Indianapolis	1320
" Wabash	1260
Washington	2240
NY	3180
Phila	2154
Barron, Pirie, Scott Co	1380
Another Pangot Company NY	1832
	19200

~~Tell Wurth Lowe no more Master Tell us get our technique right~~

Don't forget the Adv't for
magazines, Electric photos &
Catalogs —

Walter Miller —
Cypress Lake = running in
Wyl — Marguerite Sylvia Sings
in it —

Bachman Halfcan

Take up matter of
Cans 2 or 3" higher
for A4 6 8 10 12
to hold more water
also double Can 1/4
dope between.

How about PWA
Condensate rubber
for Cans —

Put up one grid 4 tubes 1/8"
with 7½ in angle Camp
loading machine —

Bee as neither Dennison
or Kelly are getting many
orders why not dismantle
them off on houses —

Put strips on Reg 1 made
like A4 photo & see how
many separators can be
dispensed with —

House light 4, crowder to
all architects —
all wiring forms —

Tell Weber about
Grating Concrete Cabinet
I want to see it Saturday

Rendsome of the Iron
by Dry wall process to
RA to be reduced in H
Cooler & Nitrogen passes

Goldstein, Wake
2 or 3 lbs iron from
Sulphate prepd Rocks
for RA to be reduced by
H & Nitrogen —
to be reduced at
def temperatures —

RA = powder iron very
fine & reduce by H & Nitrogen

See Affinity about the
powder & if O is shown
how to do it —

Asbell with & Aspen of Chy
dont want assistant
using men in lab who asks no

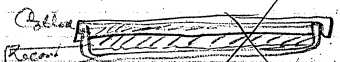
asbqwa how to go getting
on with Crocoal —
ditto, Rosin cheap Manilla
Resin mixed of phenol
resin —

Aiken my Rosin & paper
see how a disk works
work — also try some
with Bangles & also
Zinc white — if looks ok
transfer press record &
then replace second time

Patent process for making
Newly devised Nonpyrophoric
Metals by reducing in H
& displacing the H —
Zinc Lead Tin Copper, Iron
Cobalt Cadmium, Bismuth
Mo — making the oxides
by Roll & dry process
Cooling down & displacing
H by inert gas

C W Hunt Co 45 Broadway
advertising Casino Electric
Locomotives; find some one
to see them

Wilson, buy high grade
Japanese shoe (how would
it do to use a paper
box for each



also Albums - 12 in album
books form —
got up Elaquently
that for 1 dollar records
use for 1½ 2 & higher
prices =

See White Thompson
stay box back on doc.
for head light price idea
go for it — offer a
Cent for report

Holland - just a while
look at the plates, the
plates & the assembly
see that there is no
changes that crop
up that might hurt baby

Suggest to Walker, Weller

Hull & Mellow
tension about 1 or 1½ oz

Speak Wilson Dobbs &c
McCleary about art
Catalogue for our hut &
get up much finer than Vic
& also a Common one —
also a programme (general)
for Minutes at houses
where we demonstrate before
model Co — These should be
Especially fine as few will
be required & only with
the 50 much — These
a fine Catalogue to impress
the dealers & press men

Ask Ott about the
Zn Cu Sulphide Cell

Ask Petit if he cuts
of his rubber bag so
smooth may have
lead surface & produce
lead places in record

See Blinn about small
Reelf —

Ask Goldstein where
the Earth Sulphides
mixed with Co & Bi
are, ought to be ready
by this time —

Chrysler & Kip Cray
and suppose Mr Byllesby
& Benjamin as well do the
Cam & Clay Tabrod —

Ask Bee if he is selling
any more mining drags

See How Bulletin
getting along —

Bee What is our new
House lighting man
doing —

Arrange for going ahead
with mining Lamps
Get Catalogues Goodson
House Lighting Oil fellow
do Accaylene —
Write Islands Mfg —
Bee — Get full information
Fairbanks Morse & Co
Engines for Lighting
what work they might
these people —

Corbin — take auto
go out around out now
big houses Highland
around here —

Talk to Goodson about
our phone men
looking up house
Lighting to save
Expenses —

Carlen going to that
you have not told me
of the new showing at
Silver Lake on little truck
room

Building Truck Cranes —
Elec Record Nov

Hulch write Shedd
Elec Co Electric Suction
Vac Cleaner for Catalogue
Elec Record Nov — p 270
use Cutting Isolated
Houses also Catalogue
of all the Vacuum Cleaners
Lots ads in Elec Record
for Nov — also Catalogue
Electric Irons also get
Toasting & Coffee Urn Dealers
Washing Mac Catalogues

Write Crowden for all
Catalogue Engines makers of
Tricycles —

Send for Philpot & find out what he is doing —

See what Patel is doing —

find out from Nicoala if he is using Munch Loader in Chrome plant if so its going to be very expensive —

Drum cutter from Clock Room —

ask Harry Lafer & Truman Glen Rudge & Rent room now yet

Arrange for new Camera Man for Nats — but Tomorrow The debate of making Morning picture —

Arrange with pulp craft work tomorrow night & sleep my house if necessary

When gets the Lake Copy completed of Cement proposed Contract & show Stevens —

Write Harry about arrangement made with Monhat —

When gets the Lake I have to go out to Olsen Barrett —

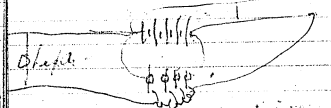
Arrange 20 Smith employees for 20 per week to help out

Who are officers of Bat Co

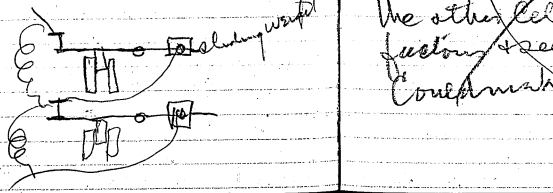
Take Dress out Monday NY

Bliss

Why cannot a personal feeds regulator be made with 10 small solenoids each equipped with a weight on lever to close & open Rheostatic, & put them around the battery —



set for say 30 V. if falling to 36 V. 100 amp current goes thru solenoids and 1 ohm are will be drawn closed open sections of rheostat in line — thus take place of Carbons



there should be Cost over 50 ea pieces — at 5 for 10 — all put together on one board

~~Lighting Force Engs grab on carbolyte lamp Volume~~

Kitchen Light high grade Horse Carriages small cell & 1 CP Lamps —

~~Wilson taking with the other Celluloids factory & see how many Conformans blanks~~

Decide on move for London + Paris — Fox

See Hilah & Fox for Cell forwarding in London & Paris —

Have magnetic Surveys out ready for Brown Friday night —

G V Miller to bring reg mix tp - Thom def nitrates —

5206

Lemnox

See Holland about Fox for Expert at London + Paris —

Get Salvarsan for Condemnation Lucquin —

G W W about Salvarsan Condemnation Lucquin —

Edwards Coarse on Condemnation Lucquin —

What is price Bengal probably least it for Condemnation Lucquin Alone if OK —

Hilah = Corfield refs re Amer Nov 15 P 40
Cut Cooking Breakfast by wire funeral house before Culdesac

Already see page 7/19-50
Jul physical Chem Nov 1911
Library - Stop adding a
Chloride Nacl to Make
Nacl chlorine make anode
efficiency go up from 12%
to 94% = in other words if
we get good clake we can
Cut down adding so much
Ni Sol & lower Current & use
anodes up better —

Abt signing up
for 8 yrs Course if at all -
Cost Guarding them & to
protect us — Schools —

Get ready now for
200 Spring Ice Meeting,
to quote off at when ready

Holland
Take drop on field
brushes, wiring - battery
Mg underpass on Eagle
Rock Hill / H

Holland put away in
Block Room - plates Mg & Fe
also tubes of carbon, for
End 2 months make up
A & Tool - clean 2 months
more do same —
Take 2 cells added on
our unsolipped lot
Run Curves, see that
they are OK —

Have no Policy made for
Valley Voltage Regulation

See Ballard Elk if can get more space at bottom of A4 A6 9 between we have more in A8 10 & 12 find out,

See Man came to house last night wanted you price him on at $12.00 work selling batteries & Motorcycle Dynamo – 1/2 hp – 1½ doubt can to know anything about the boy –

Death in ch about the crippled waste, who was it spoke to me

See Wilson & Bull Crating Cement Anchorage

Have philpot make 3 of Brichman Trip to compare quality with same on Cumberland –

Get some one started on Cabinet machines Vic Clockwork & cheaper age $30, Cheapest.

Chrysler cover dip tray in Benzine Bolter & dry it well before putting on Istrolcalifornia – its ok on Metal but wood must be dried out Probably can dip parts before assembling

go over to Gonzales Cabinet place

See Wurth & the press

Meet Mussa ~~Jacob tonight~~ Monday =

See Goodwin find what he did at Eve Pond he's a mine. Sent the professional Score written in Mg =

Tell Walter about coming Graf what getting Dalmat

Ask Smith to find out how quick can voltage gear by slowly balling after change for 3 to 4 sec to take some 100 amps from 24 A up — in House lighting could do this after stopping & balling get ok for the night

Bless Whats matter having small dynamo to chg battery in dry time on Auto & always keep battery chg not using 19 Hours at night Now small & charge can't the work

See Bea & Bob about packing Benjamin Lubin in Saldered Tin box so they wont not shift & packing dry so dont rust,

Bless what's matter Shaft Motor — with ⊙⊙ + jiggle

See Beckman & the office about Billing stuff to Wonnat in France do not mention nickel but bill for accumulators

Write Graf about Patti —

Mary Anderson —

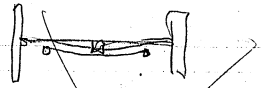
Dress — Sylvia Barnhardt.

Henry E. Dixy
549 W 113.
NY

Clifford Cutler gold
assay the go need
& float & tailings

Smith Prog up to
Changes: debating 12 hours
an A & Cell at 212
Fahr

Anderson to write
an introduction and
disc Catalogue —



Spring recoprocation & dictaphone
rods

See W Miller — Dr Colinin —
Quick —

Suggest Hulah — we make a
sound record of noises of
Cannon for Navy so they
can look at the vibration
they might find something
Now — try a pistol
then Rifle — as a sample

Barrere, 1st flute of the
NY Symphony Orch
best piece Serenade in
Mozart, E flat by
See Thomas

[illegible]

Mallory Jones Jos Weller
Days Cement is used very
Extensively in [illegible] Africa
that only about one or
2 allow is used there
was engineers for Edison
[illegible]
got a price of [illegible] than he
could buy at Island
in Porto Rico —
What's Mallory with us
yellow are Expensive to handle

John Turner is big dealer at
Dan Jones is agt for Pillsbury
flour Slaudchaker in wagon &c

Get composers work entirely for
the phonograph new pieces & copyright

See J P C Clarke Slaudsand Oil
for advice on selling near for
music

Legal Dept Jones - Record at dealers
Complete on barrel record. +
Combine this with Future -
2nd [illegible] above -

See Phelps at Kearns —
Drayne have made new reg
reflector with flying — dollo
new phenograph with horn for
Model O — phenomenal — also
New arm to go on cable machine

Bee have reg log for
Inspectors report on guarantee
Gallery. Every report of Care is
to be recorded + inspector is
to call attention only when it
is very bad + do it in a tactful
way = LEE report these
log reports all finished for
any future departures —
also note rotten + leaking
floor + wash
Gallery cleaner offen
+ wiping pillows etc
print the sheets + heads
Mac sign them —

get home Dolly Gazzoni Records
Crowley to see me twice
a week —

No 11505 —
Akahi Hoi — Clark Mulley

(King Kalakaua)
Vocal — Toots Pakaia Hawaiian
get score —

put up some new now
pyro now + try it
Cly Vultage at Cold
Capacity —

20 Monck plates
wanted right off —

RA = think Nitric acid treatment of Redox will remove Sulfides & the water will remove sulphates
Tell Goldstein to do them on Roll stuff.
Also Goldstein write to Hull and some roll Tyzo & Co
remove water & then redo Nitric

Blue Chuts & Diamond Grading Gallery - run with belt & shift belt round belt.

Aitken - press Lacquered blank in press mg stamp - after its hardened in oven then remove hat & let it warp - then tape up with diamond replacing, trimmer & in take backed
Record & remove hat -
see if it warps again

Longite, Mr Wood
Liebmann - Mr Fallen
36 Forrest St
Broadway Hy - Brown
write them wording them over
A. Bourquandez
Goldman about it
They forward our billing

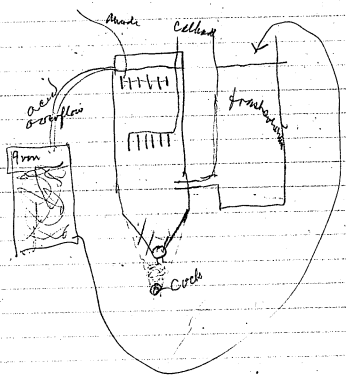
Take up wind proof
Gallery Boys Good Vehicle
also J V Engr - know
walking about E Gallery
never tried find out
Gallery boy hat wind proof
Green

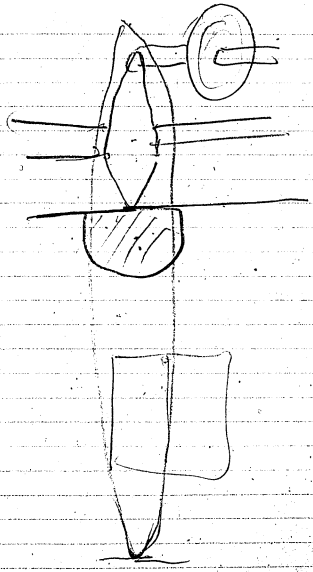
Follow up Wilson on Turning
Daphne

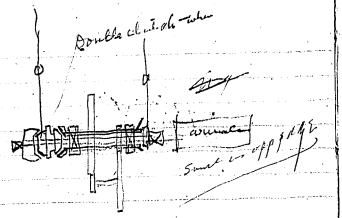
See Blue about new
Knobscope,

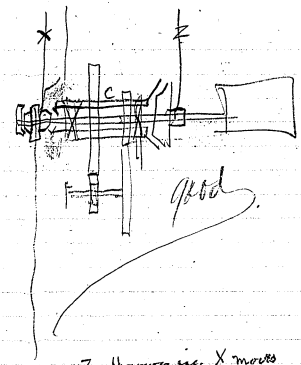
See Bliss about equalizing
Relay & Sounder —
Use Carbon points on
each of permeable —
not carbon on Sounder
use Knife switch for
Microscopic work.

Daily — after removing Iron
By washing & Magnet
Pass Sulphuric acid
gas warm to reduce
the Basic Ferric to ferrous
which makes SO_2 acid
H_2SO_4 which reduces
Iron to Metal, &
then Gold dissolves
purity —

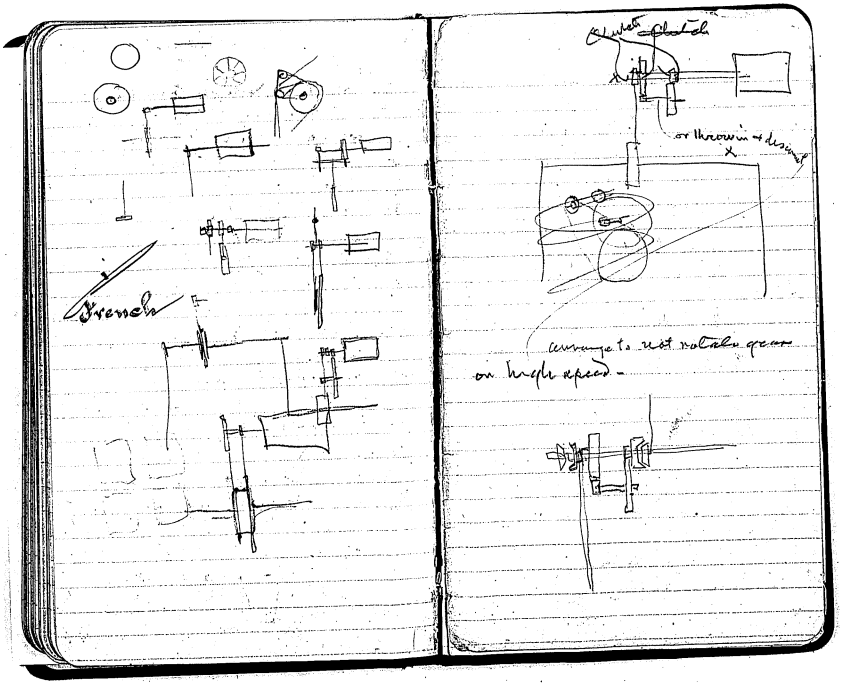

Anode
Cathode
Arm
Cock







Z thrown in X moves
Clutch to C.


French
Clutch
or throwing out
arrangets not rotates gears
on high speed -

Uses for Battery

1 = Street cars,
2 Locomotives - Main RR, Shops, Mines etc
3 Lighting Railway Trains
4. Switchmen Lanterns
5 Switch Signal Lights,
6 Car Inspector Lights
7 Working Magnets of Railway signals etc
8 Lighting Autos
9 Substitute for Dry batteries for Autos
10 " " " gas Engines
11 Replace Manganese battery in telephones
12 For bell signals - door bells,
13 Miners Lamps
14 Police Lamps
15 Gun Sighting Lamps
16 Lighting Isolated houses
17 Windmills
18 Lighting Yachts
19 Driving Small yachts
20 " " Pleasure Fishing boats
21 Mine Locomotives
22 Submarines -
23 Trucks
24 Taxis Cabs
25 = Pleasure vehicles
26 Lighting Workshops Gunners
27 Telephone Centrals Stations
28 For night Lights Clocks etc
29 = Audiphone, Acoustic aids etc
30 Klaxons
31 Laboratories in Colleges etc
32 Lighting Aeroplanes
33 Telegraph offices
34 Lighting houses
35 Firing blasting in Quarries
36. Lighting Quarries -
37 Burglar Alarms
38 Electric Drills -
39 accumulator for very small water power
40 Storing for tidal power
41 " " wave power
42 Running short Recess ferries, boat,
43 - Transporting power for special uses
- building operations, Hospital lighting
44. Fire Engines -
45 Small Torpedoes (for propelling)
46 = For night Lights in Shops, or extra work where they have their own plant

48 = In small town where there is a factory with power can store in battery & sell light at night - flow factory shut down -

49 = Utilizing power of Canal locks

50 = Electric ploughs, reading machines, mowing machines

51 - Electric Lawn mowers -

52 = Railway inspection Cars

53 = Wheels dipping in rap. Current rivers or tidal movements to store power for small lighting etc.

54 - Storing power from Solar Engines

55 - Small windmill on large sailing vessel + battery for lighting + wireless. Distilling water + cooking etc - or mounted windwheels a water wheel on boat + use motion of boat, or an air compressor device to get power from motion of waves -

56 = Ancillary + for all night in Equatorial planets, + for large amount of power for short time, impossible with Regular Engine.

57. average for large water power at £60 per KWH + depreciation of 10%. This is only £6. per KWH per year whereas Sliemens Station has over £6. for interest alone without depreciation or cost to from French Alps to Paris. battery at Paris, 14 hours which would cost, with battery all utilized -

58 auxilliary to running horse

59- for Auto Piano players.

60 Sewing Machines —

61 Street Sprinklers
62 Street Sweepers
63 Working Vacuum Cleaners
64 Thermostat regulator
65 Running Linotype Machine
67 Running Motorcycles —
68 Dock & other Liquid trucks —
69- Electric Welding

1/16 x 4 times surface

625
624
3125
1250
37500
3906 20

625
351
625

3125
1875
21937 5

16
314
219
2 0 4
3 5 0 4
3 4 8

887 | 4

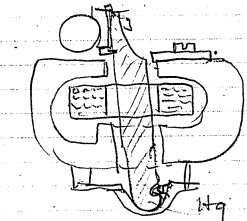
425
425
2125
850
1700
1506 25

39062
18062
21000
250
315
125 0
250
750
8875 0

21000

3

44
63
72
125
30
58
116
513
5
25 65
321
5
1605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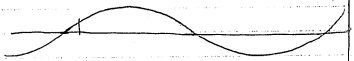
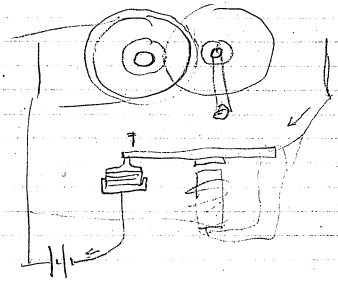
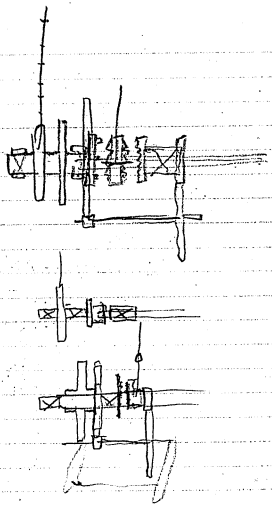
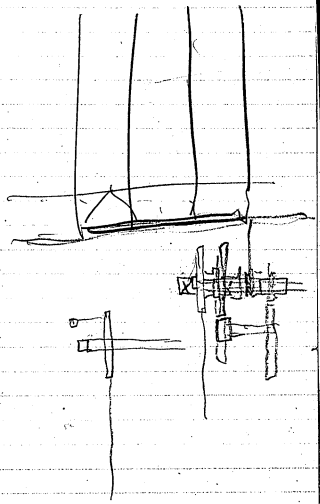
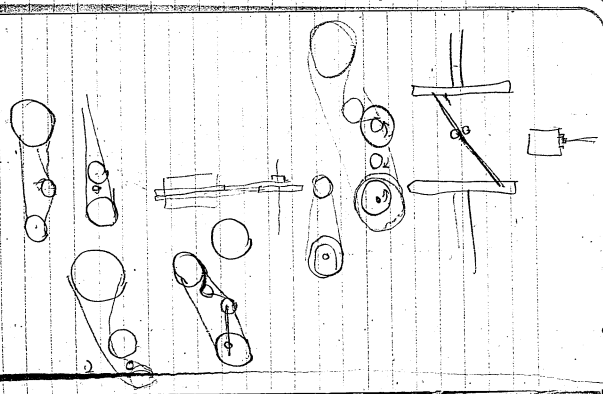


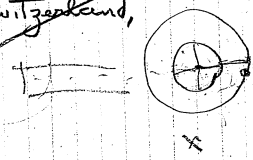


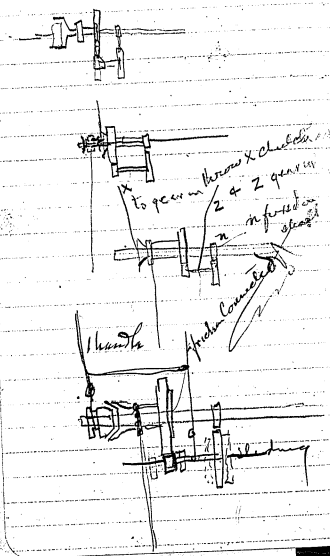






~~When can Oscar obtain his vacation~~
~~Suggest he hires a car and join us in Switzerland,~~

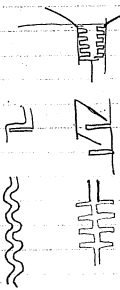



to gear on screw X checks
Z & Z gears
n
n fixed on sleeve
Handle
Arches Connected

John F Monnot

31 Rue Dam

Paris



Paris to Lanfranco Nurnberg

15	139
26	77
30	226
31	157
25	53
51	32
18	135
85	156
45	137
129	1211
68	
39	
35	
19	
128	
76	
140	
184	
124	
34	
42	
71	
37	
39	
1421	

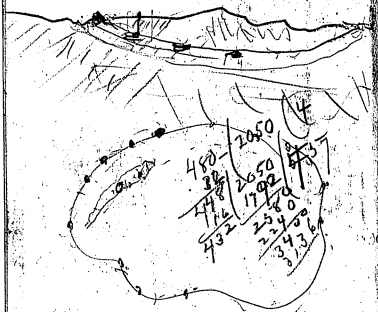
1421
12 11
2631
3 3
3 1 3
5 1644

B-22

58

75
60
0

75
70
5



76-

75
95
375
525
25

437
432
874
1311
1748
188784

1790
41
179
1760
7339

303.
333.7
3

2980
110

1790
739
2529
120
5058
2529
25294

2980
112
5960
2980
2980
2337